

## **RAW SEQUENCE LISTING**

**The Biotechnology Systems Branch of the Scientific and Technical  
Information Center (STIC) no errors detected.**

Application Serial Number: 10/507,416A  
Source: TFWP  
Date Processed by STIC: 06/29/2006

# ***ENTERED***



IFWP

## RAW SEQUENCE LISTING

DATE: 06/29/2006

PATENT APPLICATION: US/10/507,416A

TIME: 15:01:24

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Output Set: N:\CRF4\06292006\J507416A.raw

3 <110> APPLICANT: GROSJEAN-COURNOYER, MARIE-CLAIRE  
 4 DENFERT, CHRISTOPHE DIDIER  
 5 FIRON, ARNAUD  
 6 VILLALBA, FRANCOIS  
 7 LEBRUN, MARC-HENRI  
 8 BEFFA, ROLAND  
 10 <120> TITLE OF INVENTION: MUTAGENESIS OF ASPERGILLUS FUNGI AND IDENTIFICATION OF  
 11 GENES ESSENTIAL FOR GROWTH  
 13 <130> FILE REFERENCE: 05394.0021  
 15 <140> CURRENT APPLICATION NUMBER: 10/507,416A  
 16 <141> CURRENT FILING DATE: 2004-09-13  
 18 <150> PRIOR APPLICATION NUMBER: PCT/IB03/01374  
 19 <151> PRIOR FILING DATE: 2003-03-13  
 21 <150> PRIOR APPLICATION NUMBER: 60/363,543  
 22 <151> PRIOR FILING DATE: 2002-03-13  
 24 <150> PRIOR APPLICATION NUMBER: 60/434,407  
 25 <151> PRIOR FILING DATE: 2002-12-19  
 27 <160> NUMBER OF SEQ ID NOS: 199  
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Cp9-6)

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143 &lt;212&gt; TYPE: PRT

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146 &lt;400&gt; SEQUENCE: 3

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151           20           25           30
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154           35           40           45
156 Ala Leu Asp Phe Leu Gly Asp Val Asn Glu Asp Asp Asn Asp Asp Glu
157           50           55           60
159 Ala Phe Ile Ala Glu Gln Gln Thr Ser Ala Asn Arg Lys Ala Ser Asn
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162 Leu Lys Gly Arg Thr Val Lys Lys Gly Gly Phe Gln Ala Met Gly
163           85           90           95
165 Leu Ser Ala Asn Leu Leu Lys Ala Ile Ala Arg Lys Gly Phe Ser Val

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177	Ala	Arg	Gly	Leu	Val	Leu	Ser	Pro	Ser	Arg	Glu	Leu	Ala	Leu	Gln	Thr
178					165					170					175	
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184			195					200					205			
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187		210					215					220				
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190	225					230					235					240
192	Asp	Glu	Ala	Asp	Arg	Leu	Phe	Glu	Met	Gly	Phe	Ala	Ala	Gln	Leu	Thr
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195	Glu	Ile	Leu	His	Gly	Leu	Pro	Ala	Asn	Arg	Gln	Thr	Leu	Leu	Phe	Ser
196				260					265					270		
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199			275					280					285			
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202		290					295					300				
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205	305					310					315					320
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208					325					330					335	
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214			355					360					365			
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217		370					375					380				
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222	Val	Ser	Tyr	Val	Tyr	Gly	Ser	Leu	Asp	Gln	Thr	Ala	Arg	Lys	Ile	Gln
223					405					410					415	
225	Val	Gln	Asn	Phe	Arg	Thr	Gly	Met	Thr	Asn	Ile	Leu	Val	Val	Thr	Asp
226				420					425					430		
228	Val	Ala	Ala	Arg	Gly	Ile	Asp	Ile	Pro	Ile	Leu	Ala	Asn	Val	Ile	Asn
229			435					440					445			
231	Tyr	Asp	Phe	Pro	Ser	Gln	Pro	Lys	Ile	Phe	Val	His	Arg	Val	Gly	Arg
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234	Thr	Ala	Arg	Ala	Gly	Arg	Lys	Gly	Trp	Ser	Tyr	Ser	Leu	Val	Arg	Asp
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247          530          535          540
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250 545          550          555          560
252 Ala Ser Leu Glu Ser Ala Lys Arg Ser Lys Gln Val Val Ser Ser Asp
253          565          570          575
255 Asn Trp Thr Ser Val His Pro Leu Phe Gln Asp Glu Thr Ser Asn Leu
256          580          585          590
258 Glu Ala Glu Arg Glu Lys Met Leu Ala Arg Ile Gly Gly Tyr Arg Pro
259          595          600          605
261 Pro Glu Thr Ile Phe Glu Val Asn Asn Arg Arg Met Gly Lys His Glu
262          610          615          620
264 Asn Val Asp Ala Leu Asp Thr Ile Lys Arg Val Arg Ser Thr Leu Glu
265 625          630          635          640
267 Ser Lys Lys Lys Arg Ala Gln Ala Asn Glu Lys Ser Glu Phe Leu Glu
268          645          650          655
270 Asp Gly Pro Asp Asp Gly Lys Ala Val Asn Glu Ala Lys Glu Thr Glu
271          660          665          670
273 Ser Glu Gly Ala Phe Ser Asp Glu Asp Asp Asp Val Pro Thr Gly Val
274          675          680          685
276 Ala Asp Asn Met Ser Met Ala Ser Asp Ser Glu Leu Glu Val Thr Phe
277          690          695          700
279 Ser Ser Tyr Ser Lys Ser Lys Asp Asn Lys Ala Lys Lys Ala Ser Ala
280 705          710          715          720
282 Ala Ser Phe Gln Asn Pro Glu Tyr Phe Met Ser Tyr Thr Pro Asn Asn
283          725          730          735
285 Thr Ser Leu Ala Glu Asp Arg Ala Tyr Gly Val His Ser Gly Thr Asn
286          740          745          750
288 Ser Asn Phe Ala Gln Ala Ser Arg Ser Ala Thr Met Asp Leu Ala Gly
289          755          760          765
291 Asp Asp Gly Gly Arg Gly Phe Gly Glu Ala Arg Thr Leu Met Arg Trp
292          770          775          780
294 Asp Lys Arg His Lys Lys Tyr Val Ala Arg Gln Asn Asp Glu Asp Gly
295 785          790          795          800
297 Ser Lys Gly Thr Arg Leu Val Arg Gly Glu Ser Gly Ala Lys Ile Ala
298          805          810          815
300 Ala Ser Phe Arg Ser Gly Arg Phe Asp Ala Trp Lys Arg Glu Asn Arg
301          820          825          830
303 Leu Gly Arg Leu Pro Arg Val Gly Glu Ala Glu Ala Ala Asn Leu Ala
304          835          840          845
306 Ala Gly Leu Asn Ala Ala Ile Ser Gly Lys Arg Phe Arg His Arg Lys
307          850          855          860
309 Glu Gln Ala Pro Lys Lys Ala Asp Pro Leu Arg Gly Asp Tyr Glu Lys
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Input Set : A:\53940021.APP  
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Please Note:

Use of n and/or Xaa have been detected in the Sequence Listing. Please review the Sequence Listing to ensure that a corresponding explanation is presented in the <220> to <223> fields of each sequence which presents at least one n or Xaa.

Seq#:65; N Pos. 21,22,23,24,25,26,27,28,29,30  
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Seq#:68; N Pos. 21,22,23,24,25,26,27,28,29,30  
Seq#:171; N Pos. 683  
Seq#:172; N Pos. 183  
Seq#:173; N Pos. 183

**VERIFICATION SUMMARY**

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Input Set : A:\53940021.APP

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 L:3469 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:66 after pos.:0  
 L:3487 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:67 after pos.:0  
 L:3505 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:68 after pos.:0  
 L:8318 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:171 after pos.:660  
 L:8350 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:172 after pos.:180  
 L:8373 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:173 after pos.:180